

5 Claims

We claim:

1. A method of providing energy efficiency changes to a plurality of energy consumers, comprising:

calculating the energy efficiency changes for the consumers based on energy

10 consumption histories and weather data, wherein the energy efficiency changes are calculated using individual data for each of the consumers; and

reporting the energy efficiency changes to each of the consumers.

2. The method of claim 1, wherein reporting the energy efficiency changes to each of the consumers includes reporting the energy efficiency changes to each of the consumers on an 15 individual basis.

3. The method of claim 1, wherein reporting the energy efficiency changes to each of the consumers includes reporting the energy efficiency changes to each of the consumers on an aggregate basis.

4. The method of claim 1, wherein reporting the energy efficiency changes to each of the 20 consumers includes reporting the energy efficiency changes to each of the consumers on an individual basis as compared to an aggregate.

5. The method of claim 1, wherein calculating the energy efficiency changes includes calculating the energy efficiency changes for the consumers based on prior and subsequent period weather data and consumption histories.

25 6. The method of claim 5, further comprising calculating the consumption histories based on data that are cleaned using cleaning algorithms and human intervention.

7. The method of claim 5, further comprising assuring the quality of the energy efficiency changes using hand calculations and analysis.

30 8. The method of claim 7, wherein assuring the quality includes using normal ratios to test a reasonableness of the energy efficiency changes.

- 5 9. The method of claim 1, wherein reporting the energy efficiency changes to each of the consumers includes reporting the energy efficiency changes to each of the consumers using at least one of the Internet, an intranet, a computer-readable medium, direct mail, telephone, electronic mail, in-person visits, and facsimile.
- 10 10. An energy efficiency measurement and reporting system, comprising:
a generic import module for receiving consumer data;
a weather import module for receiving weather data;
a unique algorithm generation module in communication with the generic import module and the weather import module;
an actual weather consumption estimate module in communication with the unique
15 algorithm generation module;
an efficiency measurement module in communication with the actual weather consumption estimate module; and
an individual report generation module in communication with the efficiency measurement module.
- 20 11. The system of claim 10, further comprising:
a data cleaning module in communication with the generic import module; and
a weather cleaning module in communication with the weather import module.
- 25 12. The system of claim 10, further comprising a quality assurance module in communication with the individual report generation module.
13. The system of claim 12, further comprising a report transmittal module in communication with the quality assurance module.
14. The system of claim 10, further comprising an aggregate report generation module in communication with the individual report generation module.
15. An energy efficiency measurement and reporting system, comprising:
a generic import module for receiving consumer data;
a weather import module for receiving weather data;

5 a system database in communication with the generic import module and the weather import module;

 a unique algorithm generation module in communication with the system database;

 an actual weather consumption estimate module in communication with the system database;

10 an efficiency measurement module in communication with the system database; and
 a individual report generation module in communication with the system database.

16. The system of claim 15, further comprising:

 a data cleaning module in communication with the system database; and

 a weather cleaning module in communication with the system database.

15 17. The system of claim 15, further comprising a quality assurance module in communication with the individual report generation module.

18. The system of claim 17, further comprising a report transmittal system in communication with the quality assurance module.

19. The system of claim 15, further comprising a trend calculation module in communication with the system database and the individual report generation module.

20 20. The system of claim 17, further comprising an aggregate report generation module in communication with the individual report generation module and the quality assurance module.

21. A computer-readable medium having stored thereon instructions which, when executed by a processor, cause the processor to perform the steps of:

25 calculating energy efficiency changes for a plurality of energy consumers based on energy consumption histories and weather data, wherein the energy efficiency changes are calculated using individual data for each of the consumers; and

 reporting the energy efficiency changes to each of the consumers.